

Phenological Data: 1942

by

R.C. Russell

The phenological data in the accompanying table are compiled from the records of B. Peturson, Winnipeg; M.W. Cormack, Edmonton; and R.C. Russell, Saskatoon.

The data are of more than usual interest because of the comparatively cool, wet conditions prevailing throughout the Prairie Provinces during the summer. The spring season opened somewhat early at all three places, but the wheat was sown unusually late at Winnipeg and Saskatoon. Commencing about the third week in June, the native plants began to show the effects of the abundant moisture and relatively low temperature, so that most of them which bloomed after that date were late in coming into flower. At all three places, the wheat harvest was delayed considerably more than the flowering of the late-blooming native plants. This was especially the case at Saskatoon, where the weather in August was very ill-suited to ripening the grain.

For nine plants in the main list, Dr. W.H. Minshall supplied the dates on which they were first seen in anthesis at Ottawa. These dates are as follows:-

Populus tremuloides 17/4
Acer Negundo 25/4
Prunus pennsylvanica 2/5
Smilacina stellata 8/5
Viola canadensis 30/4

Anemone canadensis 28/5
Bromus inermis 17/6
Phleum pratense 21/6
Solidago canadensis 27/7

Mr. Peturson also supplied the dates when the following rusts were noted in Man.:

Puccinia triticina 8/6
P. secalina 13/6
Melampsora Lini 23/6
Puccinia anomala 29/6

Puccinia coronata 13/7
P. graminis tritici 13/7
P. graminis Avenae 25/7

Summary of Phenological Data taken at
Winnipeg, Saskatoon, and Edmonton in 1942

Species	Winnipeg		Saskatoon		Edmonton	
	a	b	a	b	a	b
<i>Pulsatilla Ludoviciana</i>	-	-	15/4	3 E	20/4	5 E
<i>populus tremuloides</i>	20/4	7 E	20/4	2 E	20/4	2 E
<i>Plox Hoodii</i>	-	-	28/4	N	-	-
<i>Ulmus americana</i>	23/4	6 E	-	-	-	-
<i>Acer Negundo</i>	25/4	10 E	4/5	1 E	29/4	3 L
<i>Betula papyrifera</i>	-	-	6/5	2 E	6/5	1 E
<i>Thermopsis rhombifolia</i>	-	-	7/5	1 E	-	-
<i>Prunus americana</i>	9/5	2 E	-	-	-	-
<i>Amelanchier alnifolia</i>	-	-	10/5	1 E	11/5	1 E
<i>Hierochloë odorata</i>	12/5	6 E	17/5	2 L	-	-
<i>Prunus pennsylvanica</i>	-	-	17/5	1 E	12/5	2 E
<i>Viola canadensis</i>	-	-	15/5	1 L	19/5	2 L
<i>Smilacina stellata</i>	-	-	22/5	1 L	25/5	2 L
<i>Prunus melanocarpa</i>	-	-	23/5	N	24/5	2 L
<i>Crataegus sp.</i>	24/5	2 L	24/5	1 L	-	-
<i>Prunus virginiana</i>	25/5	2 L	-	-	-	-
<i>Svida sp. (Cornus sp.)</i>	27/5	N	27/5	1 E	Frozen	-
<i>Lonicera glaucescens</i>	-	-	31/5	2 E	10/6	3 L
<i>Elaeagnus commutata</i>	-	1	2/6	2 L	2/6	2 L
<i>Viburnum Lentago</i>	3/6	2 L	-	-	-	-
<i>Viburnum trilobum (V. Opulus)</i>	6/6	N	-	-	Frozen	-
<i>Achillea lanulosa</i>	-	-	4/6	3 E	? 2/7	8 L
<i>Diholcos bisulcatus</i>	-	-	8/6	N	-	-
<i>Galium boreale</i>	-	-	9/6	1 E	17/6	2 L
<i>Anemone canadensis</i>	6/6	1 E	-	-	19/6	4 L
<i>Rosa alcea (open prairie)</i>	-	-	15/6	2 E	-	-
<i>Potentilla hippiana</i>	-	-	17/6	2 E	-	-
<i>Campanula petiolata</i>	-	-	22/6	1 L	-	-
<i>Gaillardia aristata</i>	-	-	23/6	3 L	-	-
<i>Bromus inermis</i>	25/6	5 L	25/6	3 L	1/7	6 L
<i>Agrimonia striata</i>	-	-	-	-	6/7	7 L
<i>Symphoricarpos occidentalis</i>	-	-	4/7	?	7/7	5 L
<i>Phleum pratense</i>	-	-	-	-	8/7	4 L
<i>Chamaenerion spicatum</i>	-	-	-	-	10/7	3 L
<i>Lactuca pulchella</i>	-	-	5/7	4 E	16/7	3 L
<i>Spiraea alba</i>	-	-	8/7	4 L	-	-
<i>Solidago missouriensis</i>	-	-	13/7	?	-	-
<i>Agastache anethiodora</i>	-	-	-	-	16/7	4 L
<i>Solidago canadensis</i>	-	-	-	-	18/7	2 L
<i>Cirsium Flodmanii</i>	-	-	22/7	7 L	-	-
<i>Oligoneuron canescens</i>	28/7	1 E	28/7	5 L	-	-
<i>Aster laevis</i>	-	-	28/7	1 E	2/8	?
<i>Aster crassulus</i>	-	-	6/8	6 L	-	-
<i>Thatcher Wheat</i> Sown	5/5	13 L	4/5	11 L	24/4	2 E
Emerged	-	-	15/5	7 L	8/5	N
Headed	1/7	7 L	5/7	7 L	5/7	4 L
Harvested	10/8	9 L	22/8	20 L	20/8	8 L